

The Most Common Bacterial Pathogens Encountered in Long-Term Care Facilities

Bacterial Pathogens	Seasonality	Incubation Period	Mode of Transmission	Attack Rate	Groups with Increased Susceptibility or Disease Severity	Affected Group Settings	Main Respiratory Syndrome	Other Associated Features	Precautions Type	Precautions Period
<i>Streptococcus pneumoniae</i>	Winter	1-3 D	Droplet	Moderate	Asplenia, HIV, other immune-deficiency diseases, Chronic lung diseases	Day care School, LTCFs, NHs Prisons, Shelter, Military Barrack Dormitory	Pneumonia	Sinusitis, Otitis media, Meningitis, Bacteremia	-Standard -Droplet in case of outbreaks	24 hours after treatment
<i>Haemophilus influenza</i>	Winter	Unknown	Droplet	Low	Asplenics, HIV, Sickle cell disease, Malignancy	Day care/ School	Pneumonia	Otitis media, Septic Arthritis Meningitis, Bacteremia	- Standard - Droplet	24 hours after treatment
<i>Moraxella catarrhalis</i>	? Winter	Unknown	Direct contact, -Droplet		Elder, Infants, children those with COPD, Cystic fibrosis	Healthcare facilities (pulm units, PICU)	LRTI/pneumonia in patients with COPD	Otitis media, Bacteremia	-Standard -Droplet in case of outbreaks	
<i>Bordetella pertussis</i>	Late summer through winter months	5-21D	Droplet	High	Unvaccinated	Day care, schools, Dormitory, Military Barracks	Prolonged cough, pneumonia	Apnea in infants, Encephalopathy and seizures	- Standard - Droplet	5 D after initiation of effective therapy
<i>Mycoplasma pneumoniae</i>	Fall	2-4 W	Droplet	High	Asplenia, Sickle cell disease, other blood disorders	Day care, schools, Dormitory, Military Barracks, LTCFs, NHs	URTI Pneumonia, Pharyngitis,	Erythema multiforme, Stevens-Johnson syndrome, Raynaud's phenomenon, Meningoencephalitis, Bullous myringitis	- Standard - Droplet	DI
<i>Chlamydia pneumoniae</i>	All year	1-4 W	Droplet	High		Day Care/School	Pneumonia, Cough, Pharyngitis	Encephalitis, Sinusitis	- Standard	
<i>Legionella</i>	Summer/ Fall	2-10 D	Aerosol Aspiration	Moderate	Elderly, Chronic lung disease, Tobacco smoking, Post-transplant, HIV, other immune-suppression	Travelers Healthcare settings	Pneumonia (Legionnaires' disease) Cough (Pontiac fever)	Fever, weakness, diarrhea	- Standard - No person-to-person	